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#3

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/709,201

DATE: 12/11/2001

TIME: 18:15:35

Input Set : N:\Crf3\RULE60\09709201.raw

Output Set: N:\CRF3\12112001\I709201.raw

SEQUENCE LISTING

ENTERED

3 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Mitchell, William M.

7 Stratton, Charles W.

10 (ii) TITLE OF INVENTION: DIAGNOSIS AND MANAGEMENT OF
11 INFECTION CAUSED BY CHLAMYDIA

14 (iii) NUMBER OF SEQUENCES: 114

16 (iv) CORRESPONDENCE ADDRESS:

17 (A) ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

18 (B) STREET: Two Militia Drive

19 (C) CITY: Lexington

20 (D) STATE: MA

21 (E) COUNTRY: USA

22 (F) ZIP: 02421-4799

24 (v) COMPUTER READABLE FORM:

25 (A) MEDIUM TYPE: Diskette

26 (B) COMPUTER: IBM Compatible

27 (C) OPERATING SYSTEM: Windows 95

28 (D) SOFTWARE: FastSEQ for Windows Version 2.0b

30 (vi) CURRENT APPLICATION DATA:

C--> 31 (A) APPLICATION NUMBER: US/09/709,201

C--> 32 (B) FILING DATE: 08-Nov-2000

33 (C) CLASSIFICATION:

35 (vii) PRIOR APPLICATION DATA:

36 (A) APPLICATION NUMBER: US/09/025,521

37 (B) FILING DATE: 18-FEB-1998

38 (A) APPLICATION NUMBER: US 08/911,593

39 (B) FILING DATE: 14-AUG-1997

41 (A) APPLICATION NUMBER: US 60/023,921

42 (B) FILING DATE: 14-AUG-1996

44 (viii) ATTORNEY/AGENT INFORMATION:

45 (A) NAME: Carroll, Alice O.

46 (B) REGISTRATION NUMBER: 33,542

47 (C) REFERENCE/DOCKET NUMBER: VDB96-02pA2

49 (ix) TELECOMMUNICATION INFORMATION:

50 (A) TELEPHONE: 781-861-6240

51 (B) TELEFAX: 781-861-9540

52 (C) TELEX:

55 (2) INFORMATION FOR SEQ ID NO: 1:

57 (i) SEQUENCE CHARACTERISTICS:

58 (A) LENGTH: 50 base pairs

59 (B) TYPE: nucleic acid

60 (C) STRANDEDNESS: single

61 (D) TOPOLOGY: linear

64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

66 ATGAAAAAAC TCTTAAAGTC GCGGTTATTA TCCGCCGCAT TTGCTGGTTC

50

68 (2) INFORMATION FOR SEQ ID NO: 2:

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70      (i) SEQUENCE CHARACTERISTICS:
71          (A) LENGTH: 50 base pairs
72          (B) TYPE: nucleic acid
73          (C) STRANDEDNESS: single
74          (D) TOPOLOGY: linear
77      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
79  ATGAAAAAAC TCTTAAAGTC GGC GTTATTA TCCGCCGCAT TTGCTGGTTC      50
81  (2) INFORMATION FOR SEQ ID NO: 3:
83      (i) SEQUENCE CHARACTERISTICS:
84          (A) LENGTH: 50 base pairs
85          (B) TYPE: nucleic acid
86          (C) STRANDEDNESS: single
87          (D) TOPOLOGY: linear
90      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
92  ATGAAAAAAC TCTTGAAGTC GGCATTATTG TTTGCCGCTA CGGGTTCCGC      50
94  (2) INFORMATION FOR SEQ ID NO: 4:
96      (i) SEQUENCE CHARACTERISTICS:
97          (A) LENGTH: 50 base pairs
98          (B) TYPE: nucleic acid
99          (C) STRANDEDNESS: single
100         (D) TOPOLOGY: linear
103      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
105  ATGAAAAAAC TCTTAAAGTC GGC GTTATTA TCCGCCGCAT TTGCTGGTTC      50
109  (2) INFORMATION FOR SEQ ID NO: 5:
111      (i) SEQUENCE CHARACTERISTICS:
112          (A) LENGTH: 50 base pairs
113          (B) TYPE: nucleic acid
114          (C) STRANDEDNESS: single
115          (D) TOPOLOGY: linear
118      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
120  ATGAAAAAAC TCTTGAAATC GGCATTATTG TTTGCCGCTA CGGGTTCCGC      50
122  (2) INFORMATION FOR SEQ ID NO: 6:
124      (i) SEQUENCE CHARACTERISTICS:
125          (A) LENGTH: 50 base pairs
126          (B) TYPE: nucleic acid
127          (C) STRANDEDNESS: single
128          (D) TOPOLOGY: linear
131      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
133  ATGAAAAAAC TCTTGAAATC GGCATTATTG TTTGCCGCTA CGGGTTCCGC      50
135  (2) INFORMATION FOR SEQ ID NO: 7:
137      (i) SEQUENCE CHARACTERISTICS:
138          (A) LENGTH: 50 base pairs
139          (B) TYPE: nucleic acid
140          (C) STRANDEDNESS: single
141          (D) TOPOLOGY: linear
144      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
146  ATGAAAAAAC TCTTGAAATC GGCATTATTG TTTGCCGCTA CGGGTTCCGC      50
148  (2) INFORMATION FOR SEQ ID NO: 8:
150      (i) SEQUENCE CHARACTERISTICS:

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151      (A) LENGTH: 50 base pairs
152      (B) TYPE: nucleic acid
153      (C) STRANDEDNESS: single
154      (D) TOPOLOGY: linear
157      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
159  ATGAAAAAAC TCTTGAAATC GGCATTATTA TTTGCCGCTA CGGGTTCCGC      50
163 (2) INFORMATION FOR SEQ ID NO: 9:
165      (i) SEQUENCE CHARACTERISTICS:
166          (A) LENGTH: 50 base pairs
167          (B) TYPE: nucleic acid
168          (C) STRANDEDNESS: single
169          (D) TOPOLOGY: linear
172      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
174  ATGAAAAAAC TCTTAAATC GGCATTATTA TTTGCCGCTG CGGGTTCCGC      50
176 (2) INFORMATION FOR SEQ ID NO: 10:
178      (i) SEQUENCE CHARACTERISTICS:
179          (A) LENGTH: 50 base pairs
180          (B) TYPE: nucleic acid
181          (C) STRANDEDNESS: single
182          (D) TOPOLOGY: linear
185      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
187  ATGAAAAAAC TCTTGAAATC GGTATTAGTA TTTGCCGCTT TGAGTTCTGC      50
189 (2) INFORMATION FOR SEQ ID NO: 11:
191      (i) SEQUENCE CHARACTERISTICS:
192          (A) LENGTH: 50 base pairs
193          (B) TYPE: nucleic acid
194          (C) STRANDEDNESS: single
195          (D) TOPOLOGY: linear
198      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
200  ATGAAAAAAC TCTTGAAATC GGTATTAGTA TTTGCCGCTT TGAGTTCTGC      50
202 (2) INFORMATION FOR SEQ ID NO: 12:
204      (i) SEQUENCE CHARACTERISTICS:
205          (A) LENGTH: 50 base pairs
206          (B) TYPE: nucleic acid
207          (C) STRANDEDNESS: single
208          (D) TOPOLOGY: linear
211      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
213  ATGAAAAAAC TCTTGAAATC GGTATTAGTA TTTGCCGCTT TGAGTTCTGC      50
215 (2) INFORMATION FOR SEQ ID NO: 13:
217      (i) SEQUENCE CHARACTERISTICS:
218          (A) LENGTH: 50 base pairs
219          (B) TYPE: nucleic acid
220          (C) STRANDEDNESS: single
221          (D) TOPOLOGY: linear
224      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
226  ATGAAAAAAC TCTTGAAATC GGTATTAGTA TTTGCCGCTT TGAGTTCTGC      50
228 (2) INFORMATION FOR SEQ ID NO: 14:
230      (i) SEQUENCE CHARACTERISTICS:
231          (A) LENGTH: 50 base pairs

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232      (B) TYPE: nucleic acid
233      (C) STRANDEDNESS: single
234      (D) TOPOLOGY: linear
237      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
239      ATGAAAAAAC TCTTGAAATC GGTATTAGTA TTTGCCGCTT TGAGTTCTGC      50
241      (2) INFORMATION FOR SEQ ID NO: 15:
243      (i) SEQUENCE CHARACTERISTICS:
244          (A) LENGTH: 50 base pairs
245          (B) TYPE: nucleic acid
246          (C) STRANDEDNESS: single
247          (D) TOPOLOGY: linear
250      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
252      ATGAAAAAAC TCTTGAAATC GGTATTAGTA TTTGCCGCTT TGAGTTCTGC      50
254      (2) INFORMATION FOR SEQ ID NO: 16:
256      (i) SEQUENCE CHARACTERISTICS:
257          (A) LENGTH: 50 base pairs
258          (B) TYPE: nucleic acid
259          (C) STRANDEDNESS: single
260          (D) TOPOLOGY: linear
263      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
265      ATGAAAAAAC TCTTGAAATC GGTATTAGTG TTTGCCGCTT TGAGTTCTGC      50
271      (2) INFORMATION FOR SEQ ID NO: 17:
273      (i) SEQUENCE CHARACTERISTICS:
274          (A) LENGTH: 50 base pairs
275          (B) TYPE: nucleic acid
276          (C) STRANDEDNESS: single
277          (D) TOPOLOGY: linear
280      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
282      ATGAAAAAAC TCTTGAAATC GGTATTAGTG TTTGCCGCTT TGAGTTCTGC      50
284      (2) INFORMATION FOR SEQ ID NO: 18:
286      (i) SEQUENCE CHARACTERISTICS:
287          (A) LENGTH: 50 base pairs
288          (B) TYPE: nucleic acid
289          (C) STRANDEDNESS: single
290          (D) TOPOLOGY: linear
293      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
295      ATGAAAAAAC TCTTGAAATC GGTATTAGTG TTTGCCGCTT TGAGTTCTGC      50
297      (2) INFORMATION FOR SEQ ID NO: 19:
299      (i) SEQUENCE CHARACTERISTICS:
300          (A) LENGTH: 50 base pairs
301          (B) TYPE: nucleic acid
302          (C) STRANDEDNESS: single
303          (D) TOPOLOGY: linear
306      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
308      ATGAAAAAAC TCTTGAAATC GGTATTAGCA TTTGCCGTTT TGGGTTCTGC      50
310      (2) INFORMATION FOR SEQ ID NO: 20:
312      (i) SEQUENCE CHARACTERISTICS:
313          (A) LENGTH: 50 base pairs
314          (B) TYPE: nucleic acid

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315         (C) STRANDEDNESS: single
316         (D) TOPOLOGY: linear
319         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
321 GTTTAATTAA CGAGAGAGCT GCTCACGTAT CTGGTCAGTT CAGATTCTAA      50
325 (2) INFORMATION FOR SEQ ID NO: 21:
327     (i) SEQUENCE CHARACTERISTICS:
328         (A) LENGTH: 50 base pairs
329         (B) TYPE: nucleic acid
330         (C) STRANDEDNESS: single
331         (D) TOPOLOGY: linear
334     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
336 GTTTAATTAA CGAGAGAGCT GCTCACGTAT CTGGTCAGTT CAGATTCTAA      50
338 (2) INFORMATION FOR SEQ ID NO: 22:
340     (i) SEQUENCE CHARACTERISTICS:
341         (A) LENGTH: 50 base pairs
342         (B) TYPE: nucleic acid
343         (C) STRANDEDNESS: single
344         (D) TOPOLOGY: linear
347     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
349 CAACGTTAAT CGACGCTGAC AAATGGTCAA TCACTGGTGA AGCAGGCTTA      50
351 (2) INFORMATION FOR SEQ ID NO: 23:
353     (i) SEQUENCE CHARACTERISTICS:
354         (A) LENGTH: 50 base pairs
355         (B) TYPE: nucleic acid
356         (C) STRANDEDNESS: single
357         (D) TOPOLOGY: linear
360     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:
362 GTTTAATTAA CGAGAGAGCT GCTCACATAT CTGGTCAGTT CAGATTCTAA      50
364 (2) INFORMATION FOR SEQ ID NO: 24:
366     (i) SEQUENCE CHARACTERISTICS:
367         (A) LENGTH: 50 base pairs
368         (B) TYPE: nucleic acid
369         (C) STRANDEDNESS: single
370         (D) TOPOLOGY: linear
373     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:
375 AACGTTAATC GACGCTGACA AATGGTCAAT CACTGGTGAA GCACGCTTAA      50
379 (2) INFORMATION FOR SEQ ID NO: 25:
381     (i) SEQUENCE CHARACTERISTICS:
382         (A) LENGTH: 50 base pairs
383         (B) TYPE: nucleic acid
384         (C) STRANDEDNESS: single
385         (D) TOPOLOGY: linear
388     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:
390 AACGTTAATC GACGCTGACA AATGGTCAAT CACTGGTGAA GCACGCTTAA      50
392 (2) INFORMATION FOR SEQ ID NO: 26:
394     (i) SEQUENCE CHARACTERISTICS:
395         (A) LENGTH: 50 base pairs
396         (B) TYPE: nucleic acid
397         (C) STRANDEDNESS: single

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VERIFICATION SUMMARY

DATE: 12/11/2001

PATENT APPLICATION: US/09/709,201

TIME: 18:15:36

Input Set : N:\Crf3\RULE60\09709201.raw

Output Set: N:\CRF3\12112001\I709201.raw

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]